

DIRECTED PRACTICE

ESTIMATED TIME 15 MIN



Changing the Environment

GROUPING

pairs

MATERIALS PER GROUP

flash cards

OBJECTIVE

Students will describe the effect of flooding.

TEACHER BACKGROUND

Floods occur as water overflows a riverbank or during a tsunami. Floods have a destructive effect on the environment. They destroy many habitats and homes and damage crops. River floods can have a positive effect on land. Floods cover the land with nutrients-rich mud that increases the fertility of the soil. To decrease the negative effects of floods, people build dams and levees to reduce damage.

ADVANCE PREPARATIONS

- Gather the flash cards for this practice.
- Prepare stations with the flash cards.
- Divide children into pairs and assign each pair to a station.

DIRECTED PRACTICE

MATERIALS



Changing the Environment



Ask a question: What is the effect of floods?

- 1 **Observe** the pictures on the flashcards.
- 2 What happens to the animals and plants? **Record** your thoughts.

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SCIENCE SKILLS

By the end of this practice, students will have used the following science skills:

- Observe
- Record observations
- Communicate



ANCHOR ACTIVITY

Use the Anchor Activity for this lesson as a warm-up to gauge student prior knowledge and help them engage at the beginning of class.

3 What happens to the homes?

4 **Communicate**
How can people solve this problem? What is your opinion?

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STEPS

- 1 Have students observe the pictures on the flash cards.
- 2 **ASK** *What do you think happened to the animals and plants?*
Possible answer: They died.
- 3 **ASK** *What happened to the homes?*
Possible answer: Homes were destroyed.
- 4 **Communicate.** Guide students to answer the question.
Possible answer: People may build a dam. Dams diminish the effect of floods.

EXPECTED RESULTS

Students will use the flash cards to show the negative effect of floods and how people solve this problem.

EXPLANATION

Floods damage the environment and destroy habitats.

CONCLUSION

Floods have destructive effects.